

Section 4:

Plumbing 601-612

Drinking Fountains



211.2 Minimum Number

Where drinking fountains are provided, there must be no fewer than two...

- 50% must be an **Accessible Unit** (602.1 - 602.6)
- 50% must be a **Standing Persons Unit** (602.7).



ALL drinking fountains provided must be either an accessible or standing persons unit.

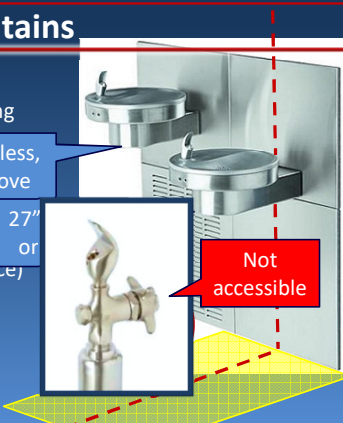
Drinking Fountains

Cannot be a protruding object (307)

27" or less, or alcove

Forward approach route (knee & toe clearance)

Operable parts must comply with 309.




Not Acceptable

Providing **bottled water** or **bottle fillers** instead of an accessible or standing persons drinking fountain is not acceptable.



Toilet & Bathing Facilities



Alternate Codes

Plumbing and building codes (not TDLR) typically determine if and when toilet or bathing rooms must be provided, as well as designating the number of fixtures required.



TAS Plumbing Handout

213.3 Plumbing Fixtures and Accessories		
	Scoping	Technical
Toilet Compartments	213.3.1	604.8.1/ 604.8.2 / 604.9
Water Closets	213.3.2	604
Urinals	213.3.3	605
Lavatories	213.3.4	606
Mirrors	213.3.5	603.3
Bathing Facilities	213.3.6	607 and 608
Coat Hooks & Shelves	213.3.7	603.4 and 604.9.3

213 Plumbing Fixtures and Accessories

- When provided, **each** toilet room must comply with TAS 603. (213.2)
- Where toilet compartments are provided, **at least one** must be accessible. (213.3.1)
- Where water closets are provided, **at least one** must be accessible. (213.3.2)
- When there are 6 or more toilet compartments, or combo of toilets and urinals, **at least one ambulatory compartment** is required. (213.3.1)

213.2 Exception 1: Alterations

Where it is **technically infeasible*** in an alteration, altering an existing toilet or bathing rooms is not required if an accessible unisex toilet room or bathing room is provided and located:

- On the same floor and
- In the same area

**approved variance required*

213.2 Exception 3 Multiple Single-User Portable

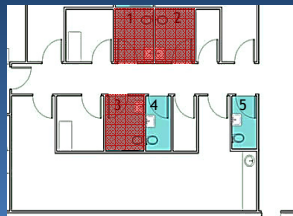
Where multiple single-user portable toilet or bathing units are clustered at a single location, no more than 5% of the units at each cluster are required to comply.



213.2 Exc 4: Multiple Single-User

Where multiple single-user toilet rooms* are clustered at a single location:

50% of toilet rooms for each use (i.e. men, women) at each cluster are required to comply with 603.



**Does not apply to clustered bathing rooms (except portable).*

Example

Although these toilet rooms are clustered, they serve different users.

TAS 213.2 Ex 4 does not apply. All 3 must be accessible.



Technical Requirements common to all Toilet Rooms & Stalls



604.1 Handout

Your packet includes a handout specifying the technical standards applicable to Water Closets.

604.1 General **Water Closets**

Water Closets shall comply with:

- 604.2 Location
- 604.3 Clearance
- 604.4 Seats
- 604.5 Grab Bars
- 604.6 Flush Controls
- 604.7 Dispensers
- 604.8 Toilet Compartments

604.1 General Exception

Water closets and toilet compartments for children's use are **permitted** to comply with 604.9.

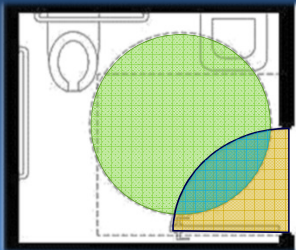
Adult heights are required if the **option** to comply with 604.9 is not exercised.



603.2.1 Turning Space Toilet and Bathing Rooms

Turning space must be provided **within the room***.

Doors may swing into the turning space.

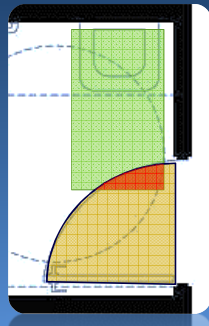


**This prohibits the only turning space from being located in the toilet compartment.*

603.2.3 Door Swing Toilet and Bathing Rooms

Doors cannot swing into the Clear Floor Space or clearance required for any fixture.

Unless...



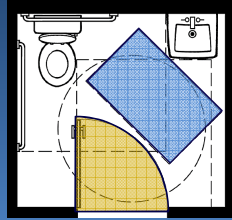
603.2.3 Door Swing

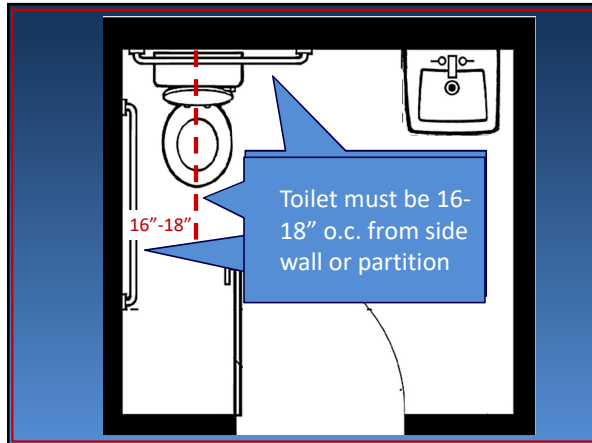
Exception 2

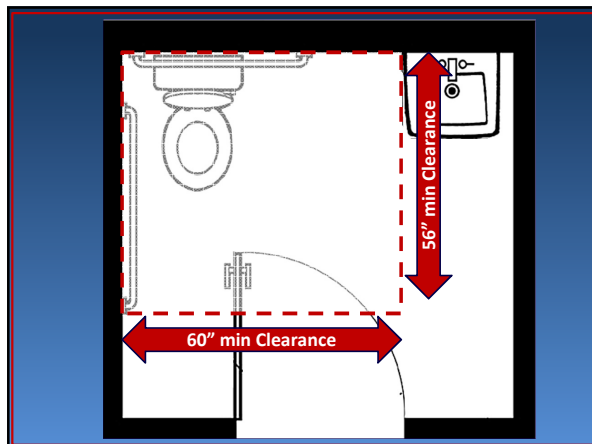
It is a toilet or bathing room for individual use

AND

Clear Floor Space (30" x 48" min.) is provided beyond the arc of the door







604.3.2 Overlap

The required clearance around the water closet is permitted to overlap the water closet and associated:

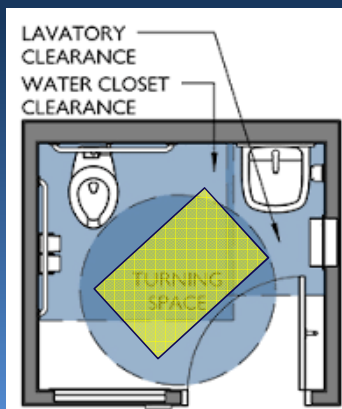
- Grab bars
- Dispensers
- Sanitary napkin disposal units
- Coat hooks
- Shelves

604.3.2 Overlap

No other fixtures or obstructions can be located within required minimum clearance for the accessible water closet.



Clearances around water closets may overlap other clearances.



TM 2013-17



TM 2013-17 was issued in June 2013 to clarify 604.3.2 and required clearances in Water Closets.

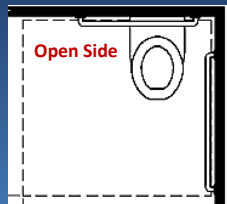
604.4 Seats

- Seat height - 17"-19" a.f.f. to the top of the seat
- Seats shall **not be sprung** to return to a lifted position.



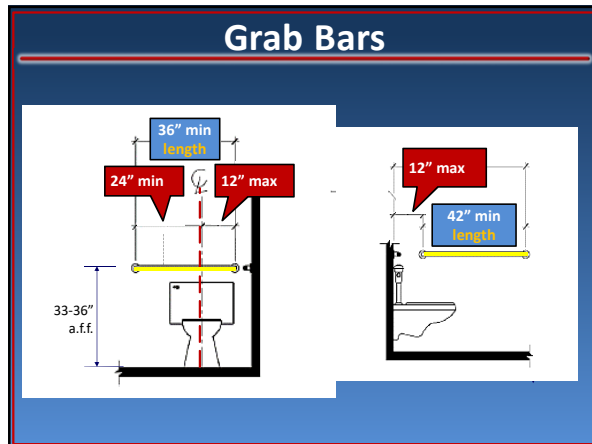
Seat risers are permitted.

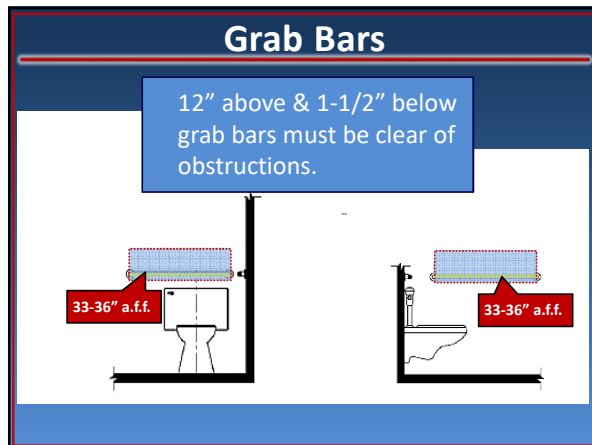
604.6 Flush Controls

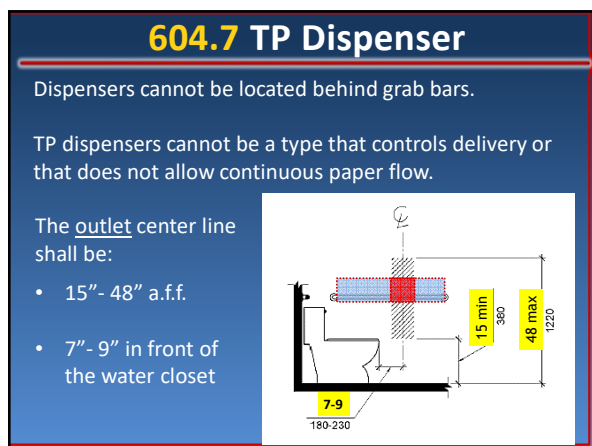


Flush controls must be located on the open side of the water closet (except in ambulatory accessible compartments)



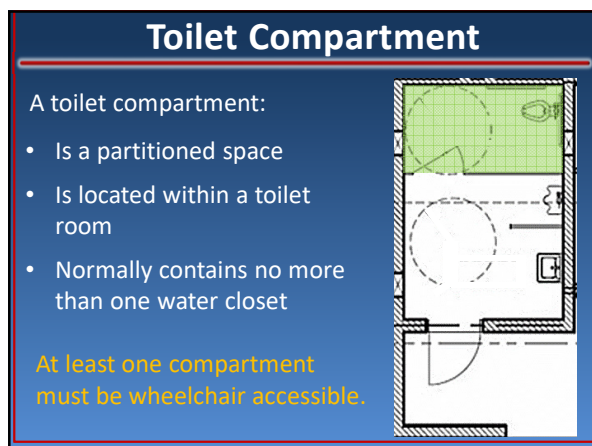


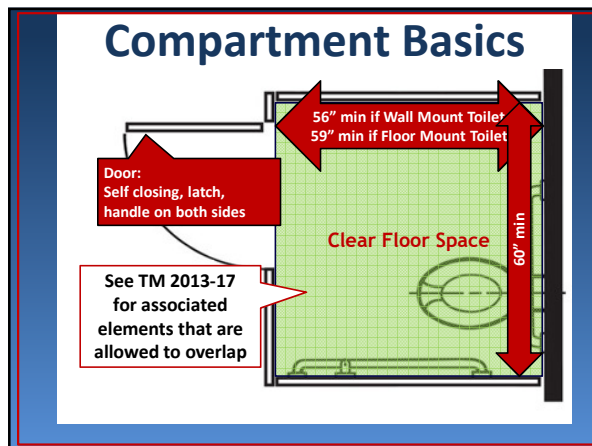


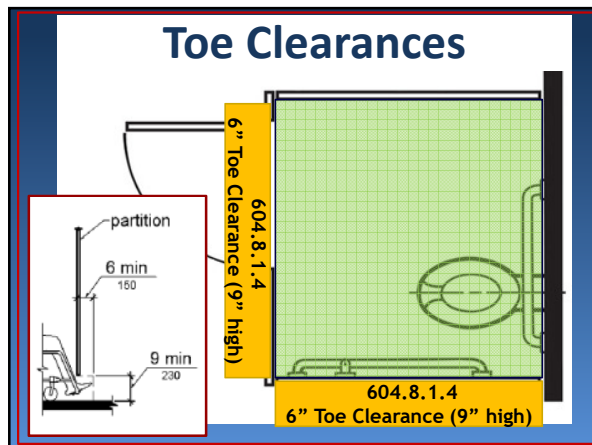


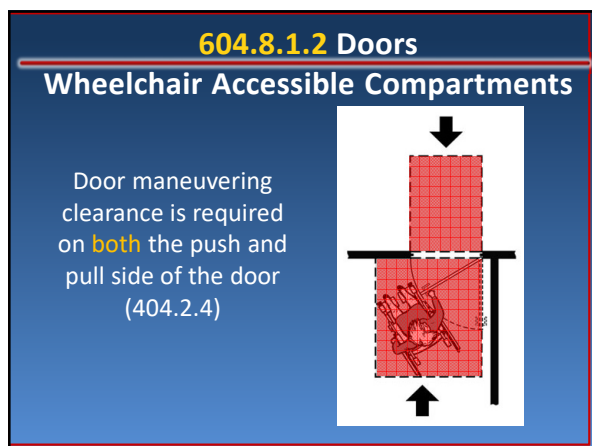






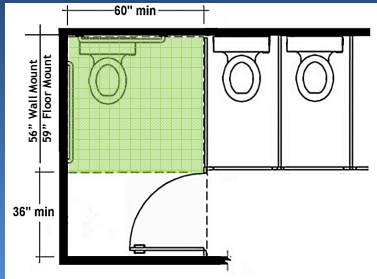






Door - End of Row Compartment

Door cannot swing into the minimum required compartment area.





The minimum space required cannot be obstructed by a baby changing table in either an open or closed position.

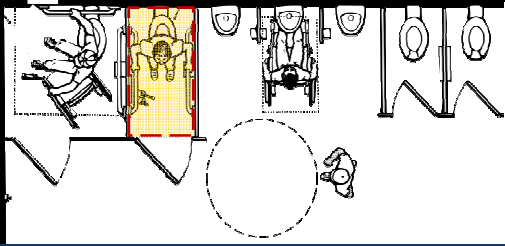
Example also violates 404.2.4 Maneuvering Clearance and 604.8.1.2 Doors

TM 2013-15



TM 2013-15 was issued in June 2013 to clarify TAS 902 and Baby Changing Stations.

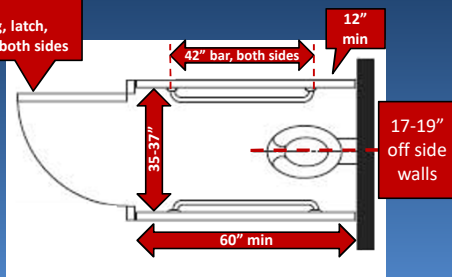
Ambulatory Accessible Stalls



When the compartments, or combination of urinals and water closets, total **6 or more** fixtures...
at least one compartment must be **Ambulatory Accessible** (604.8.2)

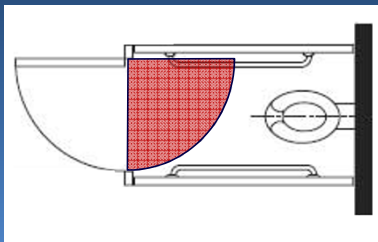
Ambulatory Compartment

Door:
Self closing, latch,
handle on both sides



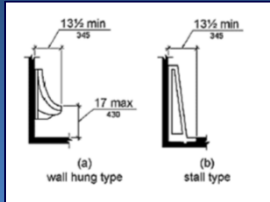
Ambulatory Compartment

Toilet compartment door **cannot** swing into the minimum required compartment area.



213.3.3 Urinals

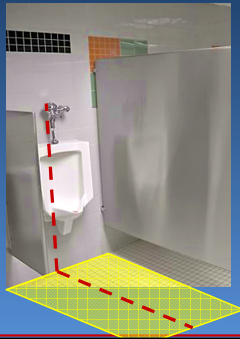
Where **more than one** urinal is provided, at least one shall comply with 605.



If only one urinal is provided, it is not required to be accessible.

605.3 Clear Floor Space

A clear floor or ground space complying with 305 positioned for **forward approach** shall be provided.



Lavatories and Sinks



213.3.4 Lavatories

Where lavatories are provided, at least one:

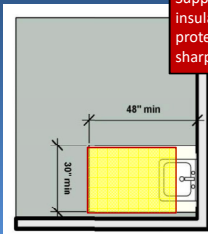
- Shall comply with 606
- Shall not be located in a toilet compartment*



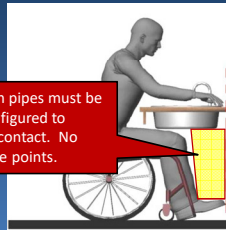
606.2 Sink Clear Floor Space

Forward approach

A clear floor space complying with 305



Supply and drain pipes must be insulated or configured to protect against contact. No sharp or abrasive points.



Knee & toe clearance complying with 306

606.4 Faucets



- Faucet controls shall comply with 309 (operable parts).
- Hand operated metering faucets shall remain open 10 seconds minimum.

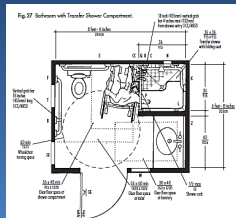
Bathing Facilities



213.3.6 Bathing Facilities

Where bathtubs or showers are provided, there must be:

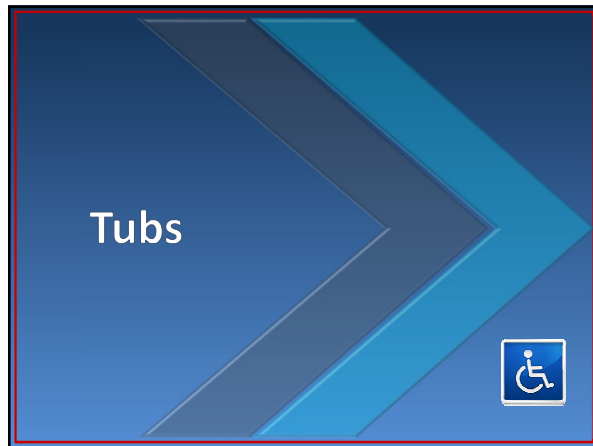
- At least one accessible bathtub (607)
- or
- At least one accessible shower (608)



607.7 Bathtub Enclosures

Enclosures for bathtubs and showers shall not:

- Obstruct controls, faucets, shower and spray units
- Obstruct transfer from wheelchairs onto bathtub seats or into bathtubs
- Have tracks installed on the rim of the open face of the bathtub.



Bathtub Clearances 607.2

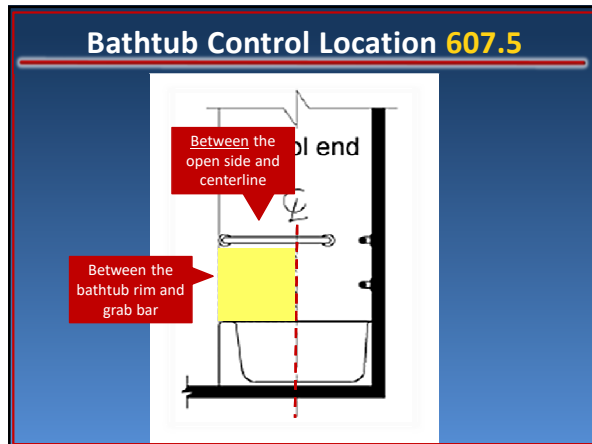
Clearances must:

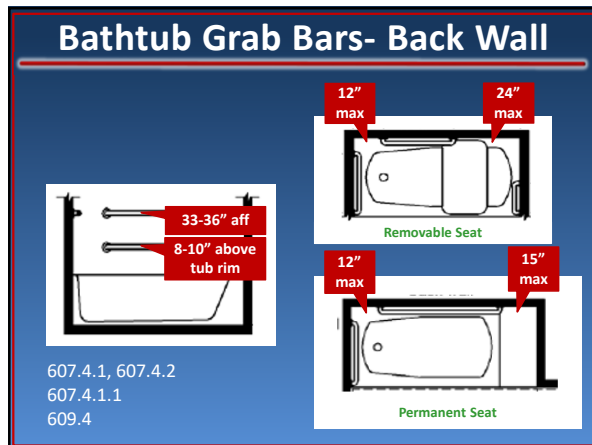
- Extend the length of the bathtub
- Be 30" wide min.

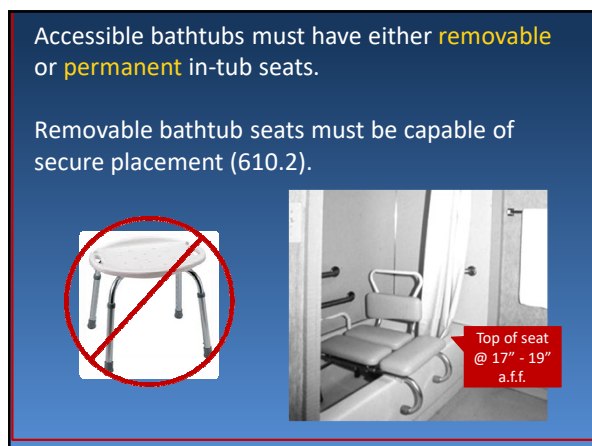
Bathtub Clearances 607.2

Where a **permanent seat** is provided...

The clearance must extend **12" minimum** beyond the wall at the head end of the bathtub.







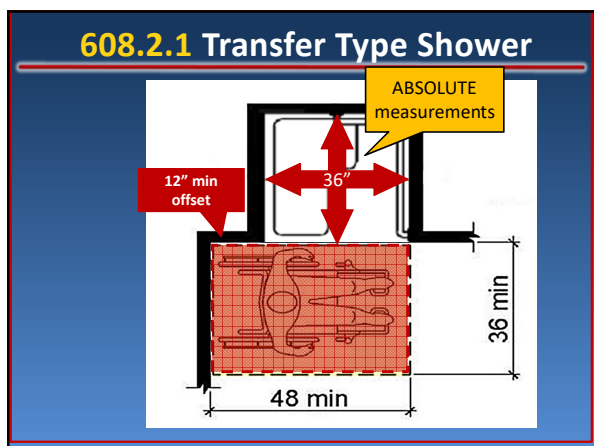


Showers 608.2

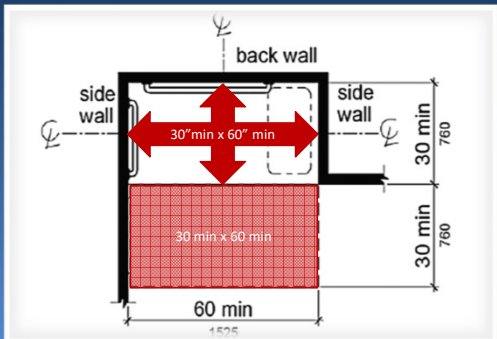
Shower compartments must be one of **3 types**:

1. Transfer (608.2.1)
2. Standard Roll-In (608.2.2)
3. Alternate Roll-In Shower (608.2.3)

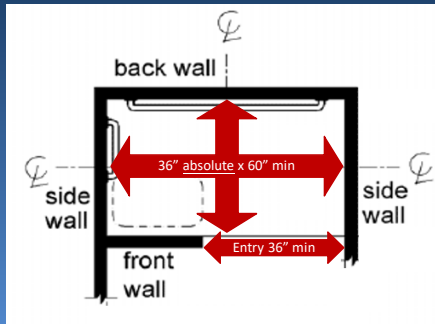
Any one of these are allowed unless a type is specified.



608.2.2 Standard Roll-In Type



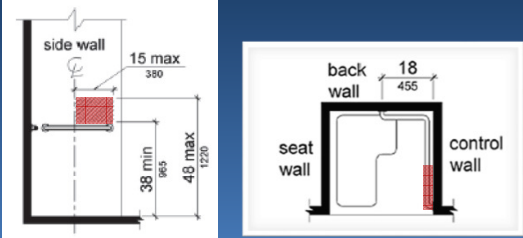
608.2.3 Alternate Roll-In Type



Shower Controls & Grab Bars

The location of the shower controls and grab bars depend on the type of shower, and the presence or absence of a seat...

608.5.1 Transfer Type Shower

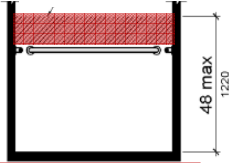


The diagrams show two views of a transfer type shower. The left view shows a side wall with a seat and controls. Dimensions include a 15" max height for the seat, a 380" width, a 38" min height for the seat, a 48" max height for the seat, and a 1220" total width. The right view shows a back wall with a seat and controls. Dimensions include a 18" max height for the seat, a 455" width, and a 1220" total width.

Controls on side wall opposite the seat

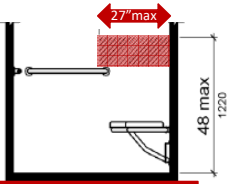
608.5.2 Standard Roll-In Shower

Without Seat



Controls on any wall above grab bar

With Seat

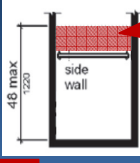


Controls on back wall adjacent to seat

The diagrams show two views of a standard roll-in shower. The left view shows a shower without a seat, with a 48" max height and a 1220" total width. The right view shows a shower with a seat, with a 27" max height for the seat and a 48" max height for the shower. Controls are located on the back wall adjacent to the seat.

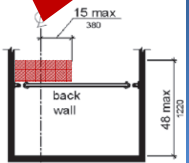
608.5.3 Alternate Roll-In Shower

Without Seat



Controls on sidewall furthest from entry

With Seat



15" max off centerline of seat

The diagrams show two views of an alternate roll-in shower. The left view shows a shower without a seat, with a 48" max height and a 1220" total width. The right view shows a shower with a seat, with a 27" max height for the seat and a 48" max height for the shower. Controls are located on the sidewall furthest from the entry, 15" max off the centerline of the seat.

